

# Climate calamity

## Psycho-spiritual implications



***Sensei Kritee (Kanko), Ph.D.***

*Interface, Feb 2016*

# Psycho-spiritual basis for a path forward

(Neglecting any one of this tripod's legs is not wholesome...)





# What ultimately makes life possible?

*Thin inter-connected layers*

Freshwater

50-100 miles sphere



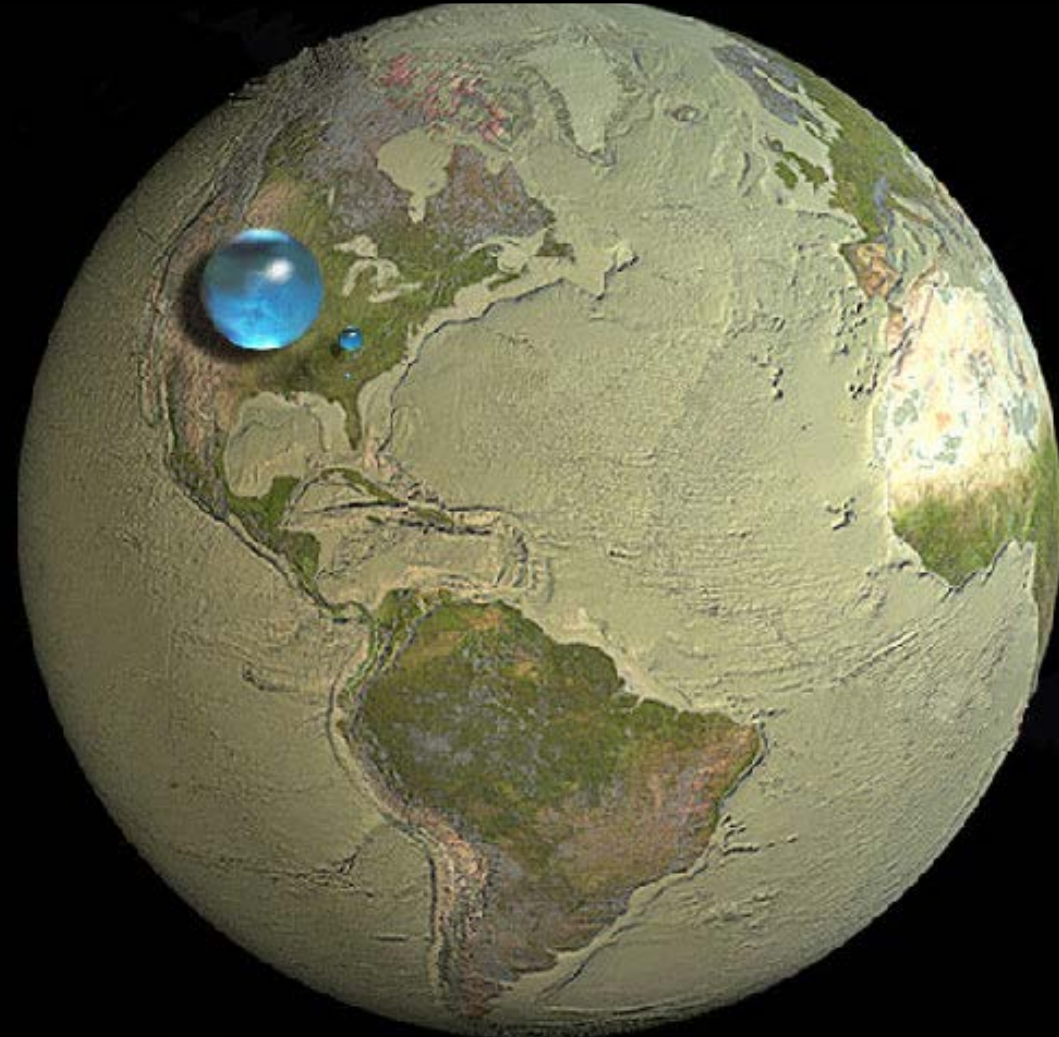
Topsoil:

2-8 inches



Atmosphere:

20 miles



Water in, on, and above the Earth

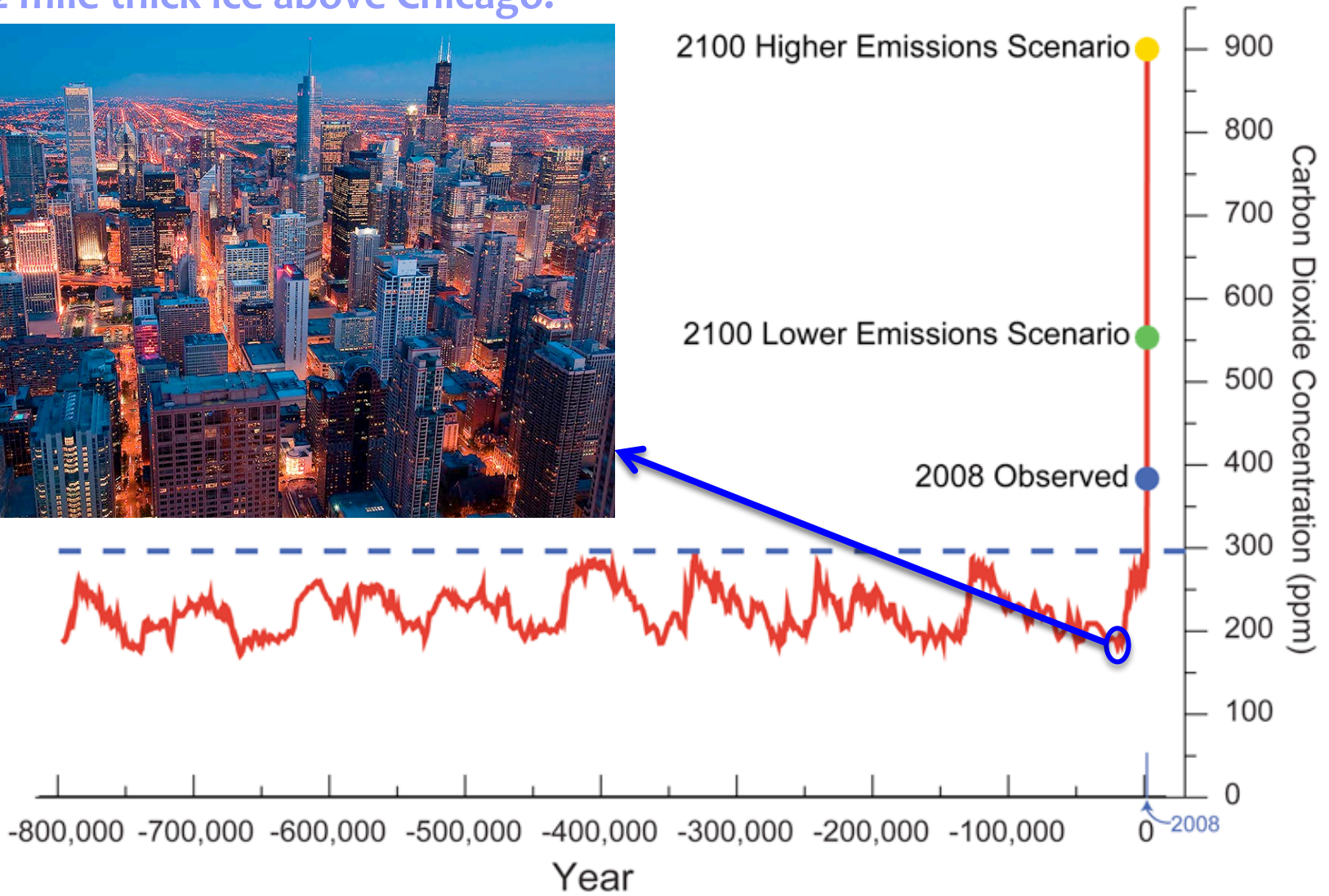
• Liquid fresh water

Howard Perlman, USGS  
Jack Cook, Adam Nieman

# Our planet's EKG

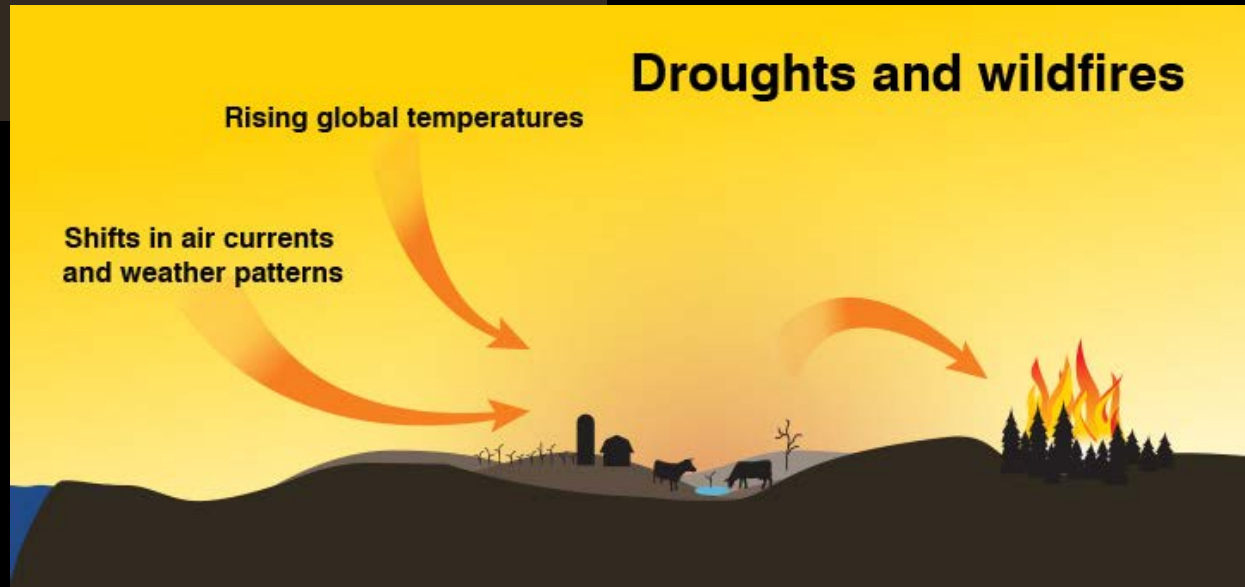
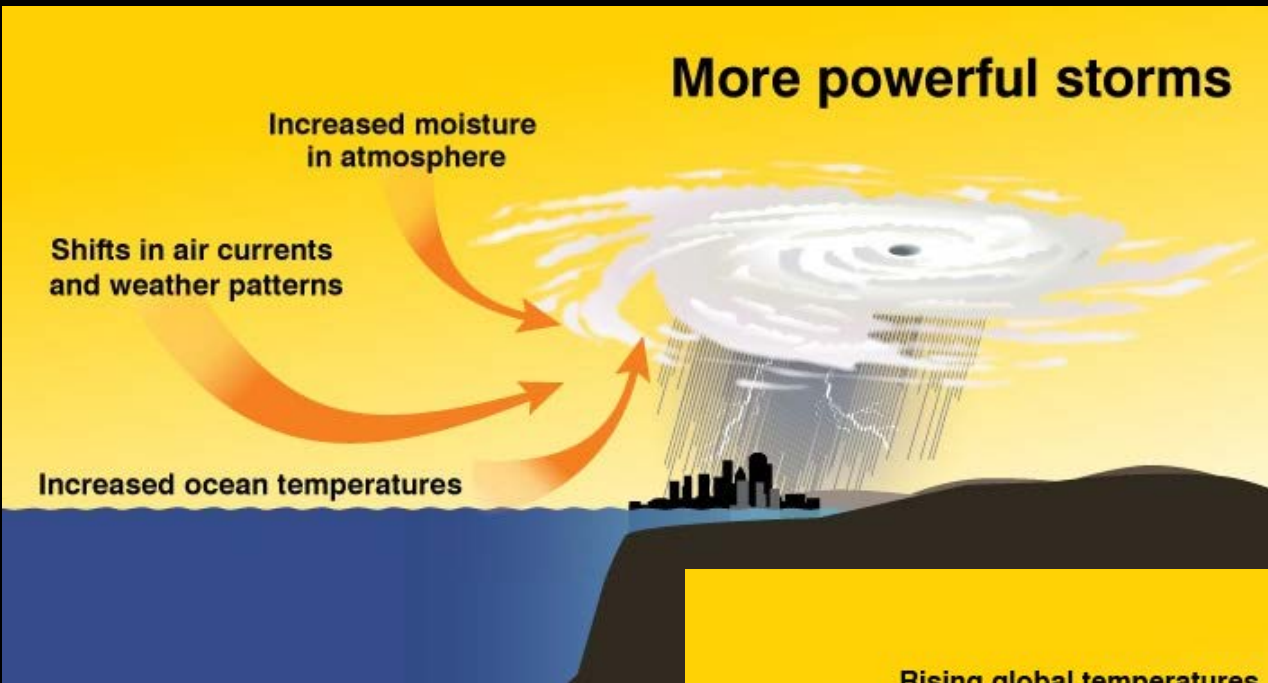
*180-280 ppm circle and the 400 ppm tangent*

2 mile thick ice above Chicago!



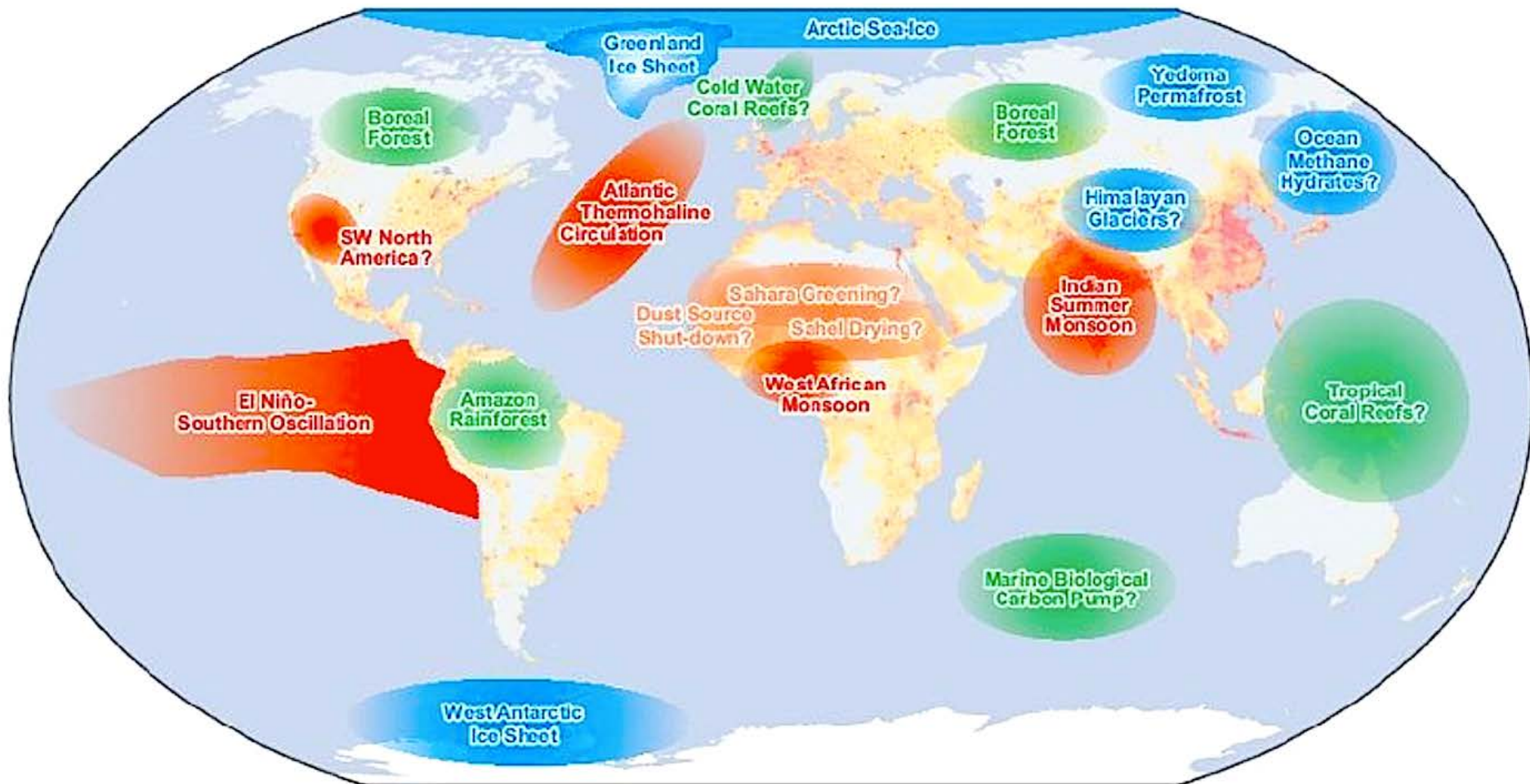
# Indirect result

## Weather on steroids



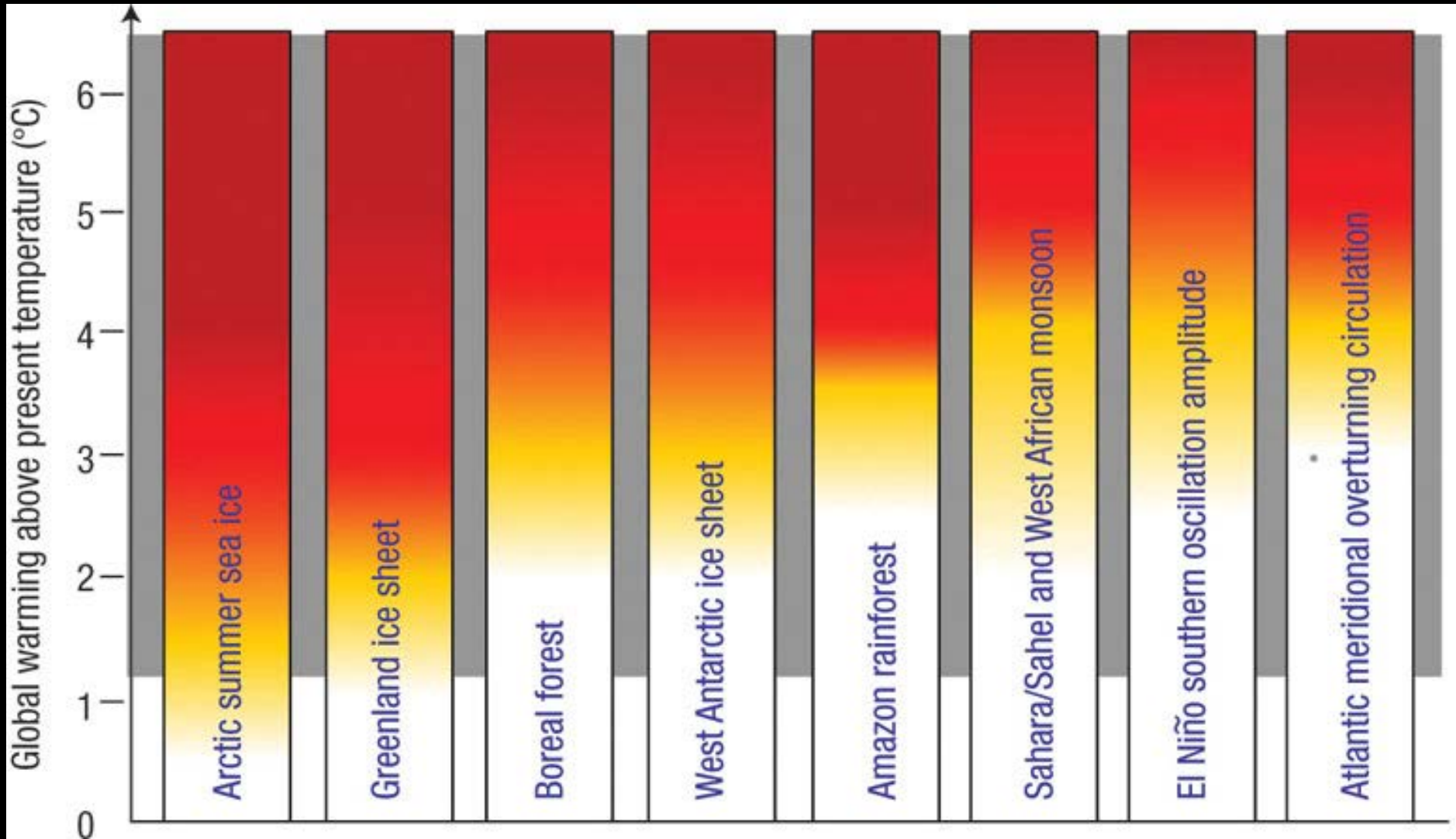


# Precious planetary processes



- Melting
- Circulation Change
- Biome Loss

# Multiple tipping points



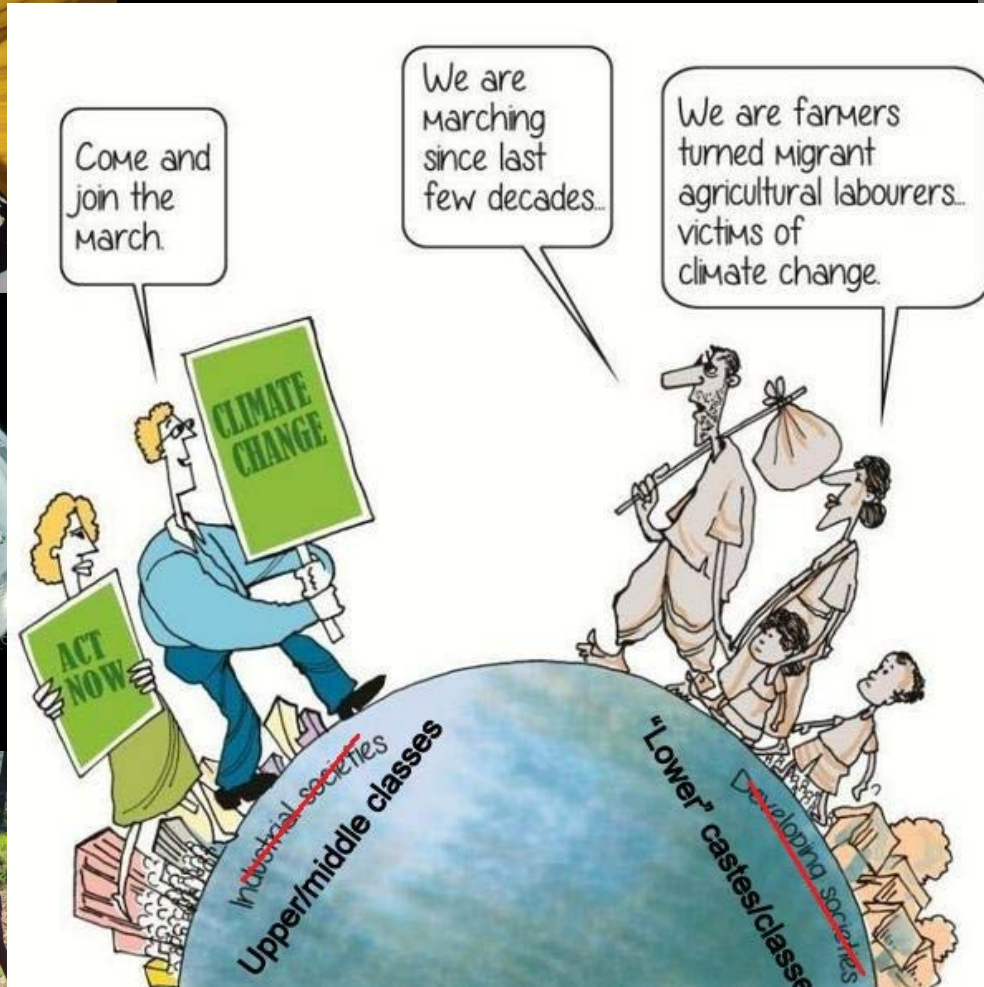
# We need both adaptation + mitigation



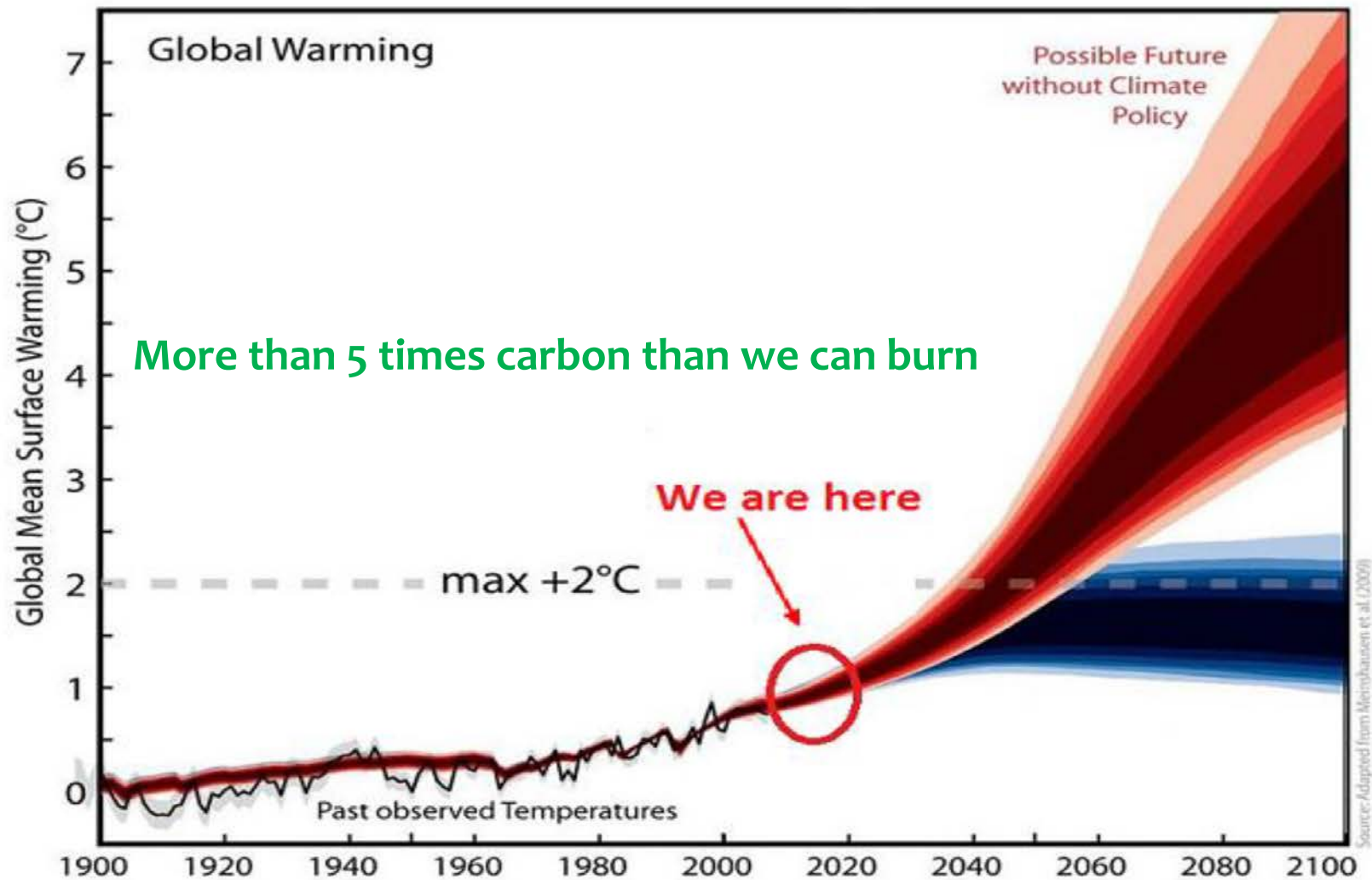
- Av. local temp 2°C increase → 40% yield decrease
- Extreme events: Droughts, heat-waves, floods, salt-water
- Weeds and pests
- Short term forcers (ozone and black carbon)
- 80% price hike by 2050: Temp/rainfall changes alone



# Fairness: Inter-class, Inter-generational, inter-species



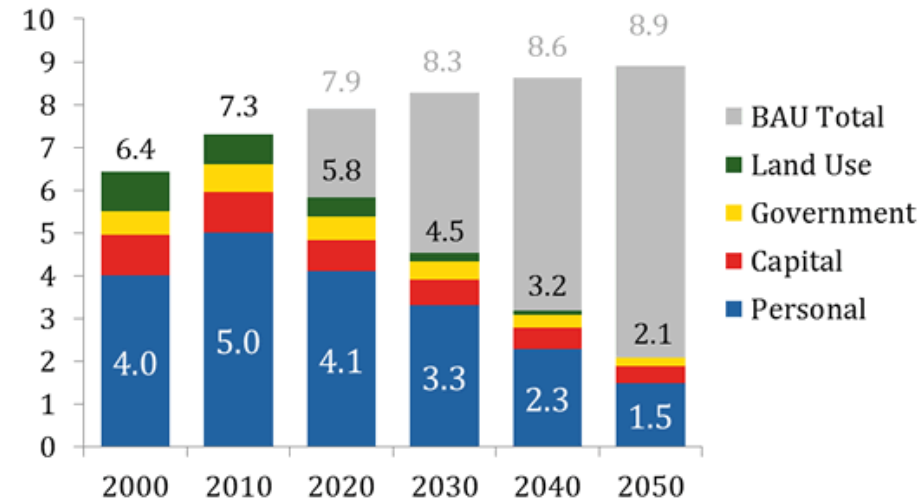
# Tremendous opportunity



(Figure 3: Fork in our global road: How do we get ready to take the blue, safer path?)

## What needs to happen

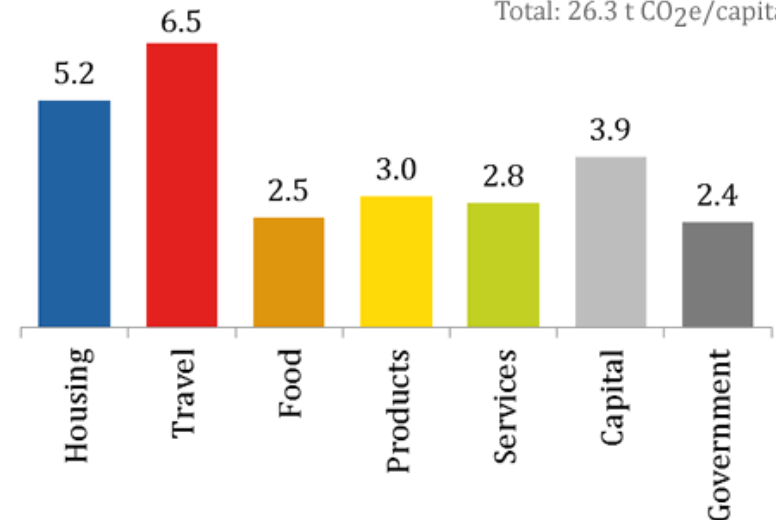
### 2° C Target - Personal Carbon Budget (t CO<sub>2</sub>e)



## Has not yet happened

### Average US Footprint: t CO<sub>2</sub>e/capita (2005)

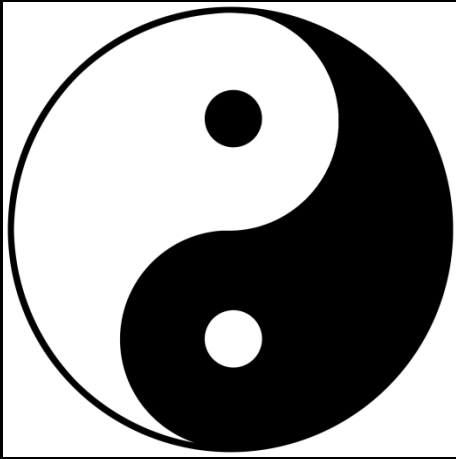
Total: 26.3 t CO<sub>2</sub>e/capita





# Ability to face and act in the midst of paradoxes

## A psycho-spiritual necessity



Expressing grief-anger-confusion vs resilience & courage

Living in joy and gratitude vs distraction & complacency

Things getting better and better vs worse and worse

Community's wisdom-resilience vs dogma-conservatism

Urgency vs panic

Resignation vs patience

# Personal empowerment

*Physical, emotional and spiritual health*

*Deep connection with the Unconscious(Earth)*

*Loosen grip of consumerism & speed: Conservation*

# Wise communities

*Bearing witness: Grief, gratitude & joy: WTR*

*Questioning our values & spiritual institutions*

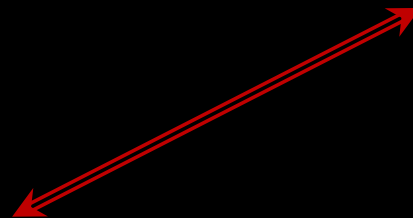
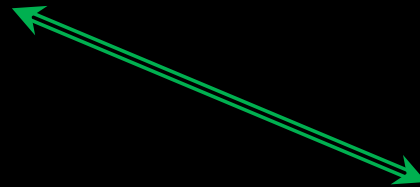
*Model for larger society wrt relationship to Earth*

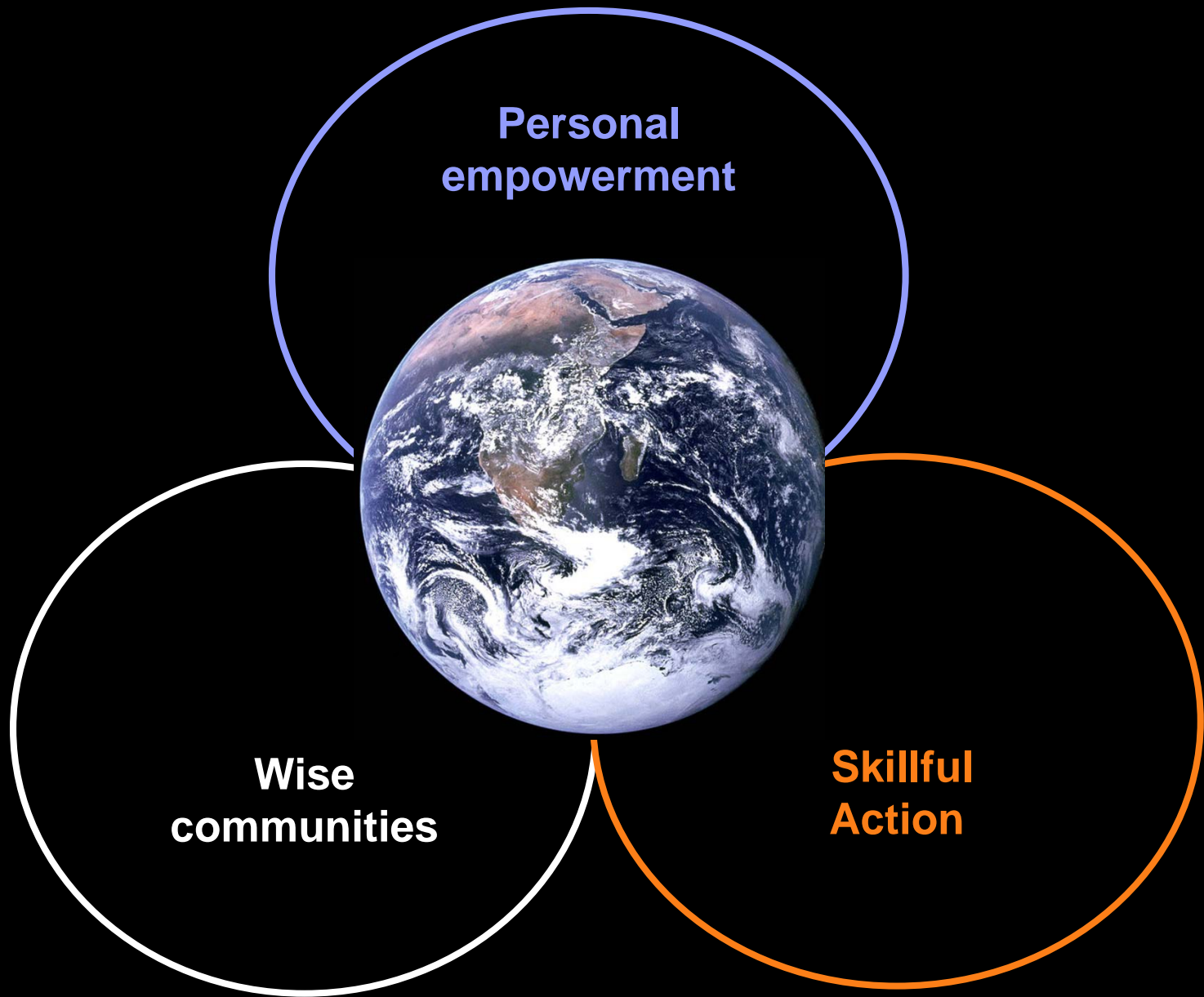
# Skillful Action

*Carbon price: Economic lever*

*Efficiency rules: AC-DC: Technological lever*

*Keystone & Divestment, Civil disobedience: Political lever*







# Resources

**Email** [kritee@boundlessinmotion.org](mailto:kritee@boundlessinmotion.org)

## **Science**

- Responses to skeptical questions: <http://www.skepticalscience.com/>
- United Nations - IPCC <http://ipcc.ch/>
- US National Climate Assessment: <http://nca2014.globalchange.gov/>

## **Buddhist response**

- Ecobuddhism.org
- Buddhist Climate Action Network <http://globalbcan.org/>
- One Earth Sangha [www.oneearthsangha.org/](http://www.oneearthsangha.org/)

*(See background paper for many more resources)*

## **Organizations**

<http://350.org>  
<http://edf.org>  
<https://citizensclimatelobby.org/>  
<http://wwf.panda.org/>  
<http://www.nrel.gov/>  
<http://www.renewables100.org/>

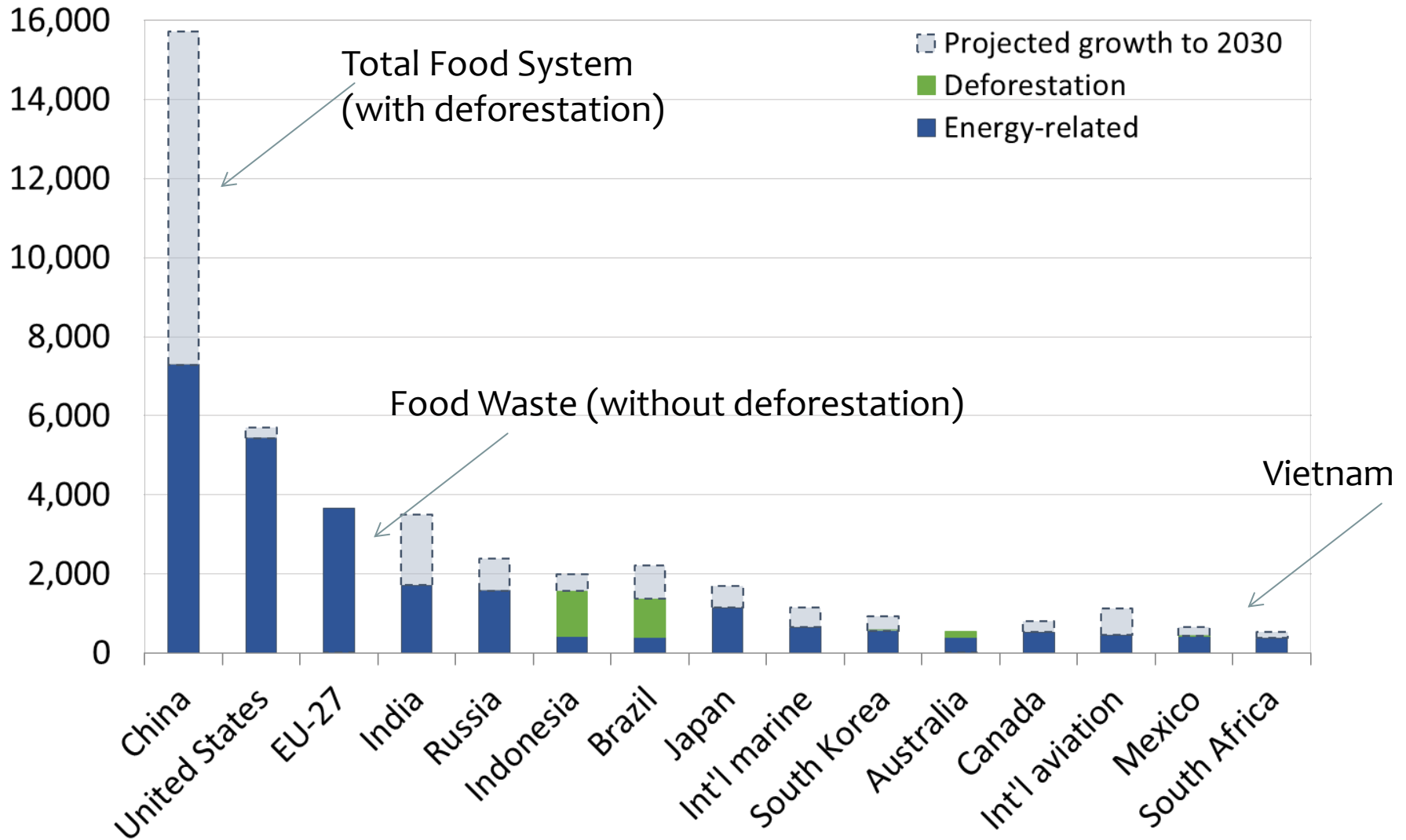
EXTRA SLIDES

# INTERNATIONAL COOPERATION

## ADAPTATION AND MITIGATION

Top 15 emitters in 2010, with growth to 2030

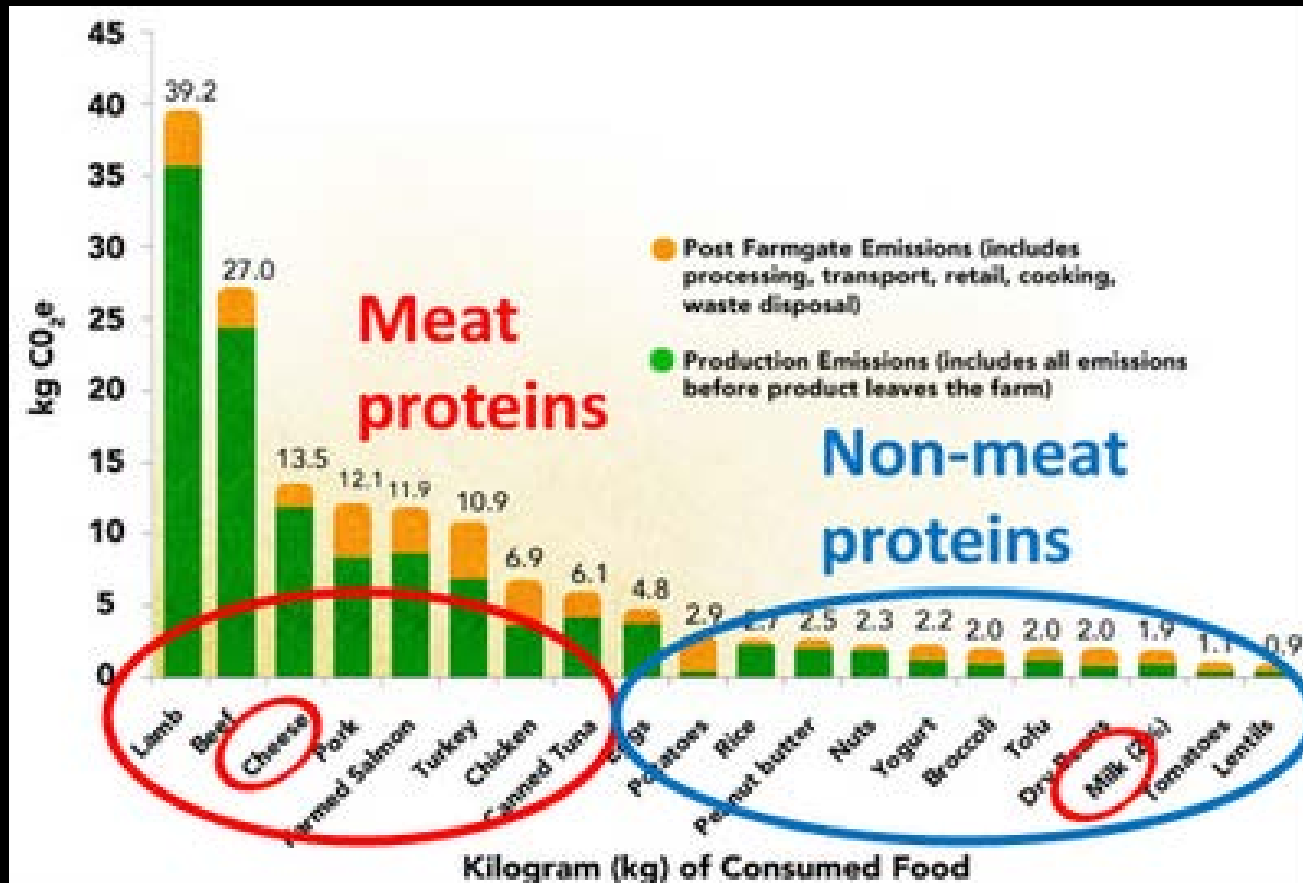
MMTCO<sub>2</sub>





# SHIFTING DIETS AND REDUCING WASTE

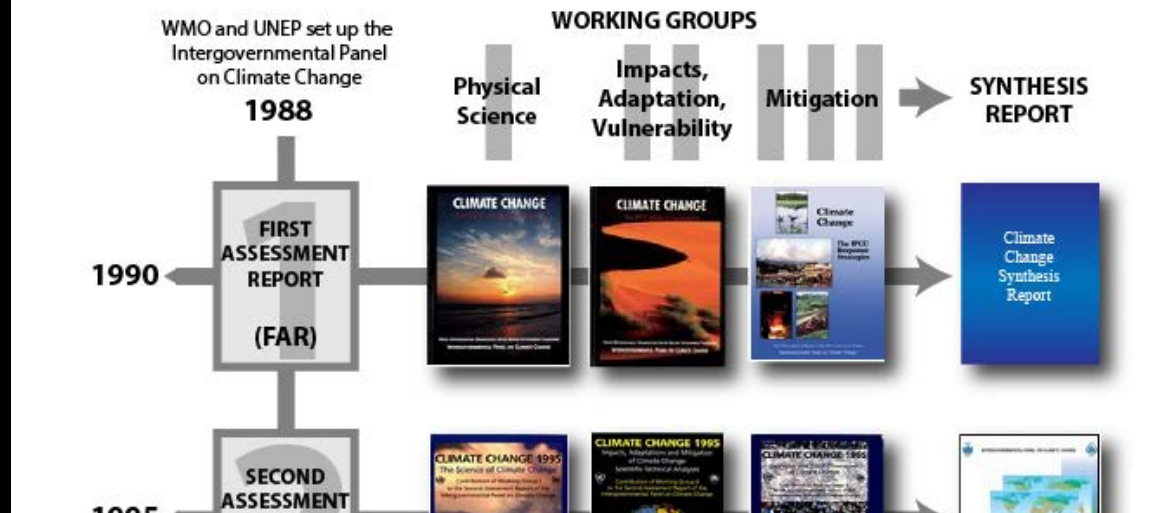
- **Food waste:** ~25 % of the world's food calories and 50 % of total food weight are lost or wasted before they can be consumed. (**Rich vs. poor**).
- Today ~55% of the world's crop calories feed people
  - 36% to livestock
  - 9% turned into biofuels and industrial products.
- For every 100 calories of grain we feed animals,
  - 40% as milk,
  - 22 % eggs,
  - 12 % chicken
  - 10% pork, or
  - 3% beef.



# **Methane & ongoing Extinction**

**Please see this video online  
(not attached to powerpoint)**

**<https://www.youtube.com/watch?v=sRGVTK-AAvw>**



# Conservative process

~195 countries approve summaries line by line

